

Determinatives and Markers by Sign Order Neo-Assyrian Cuneiform



Ashur Cherry York University Toronto, Ontario

Copyright © 2017

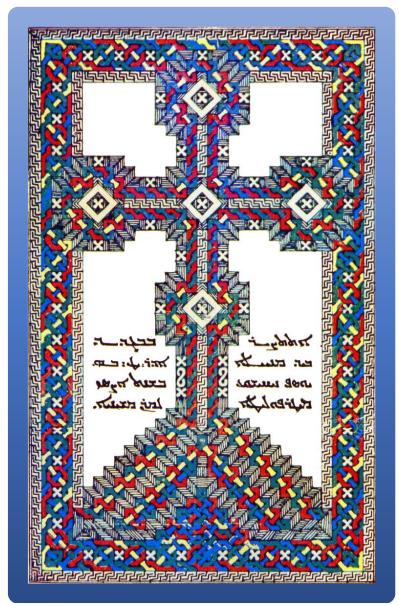
All rights reserved.

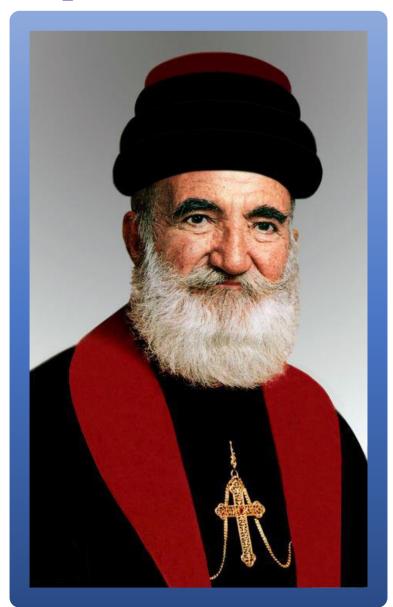
No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the author.

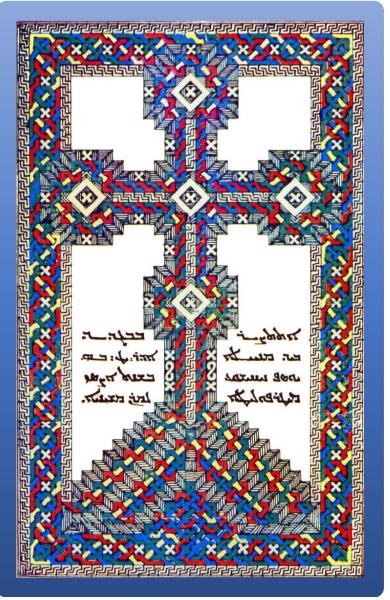
Acknowledgement

Apart from the efforts of myself, the success of any project depends largely on the encouragement of many others. I would like to show my greatest appreciation to my friends, especially late Dr. Goliath Nessan, Mr. Mirza Shmoil, Ms. Iannuzziello, Ms. Zuccarelli, Mr. Durnan, Mr. Storoschuck, Ms. Clarke, Mr. Stuart, and Miss Smith for the encouragement that I have always received from them in publishing my previous books, journal entries and developing my software. Also, I am personally would like to thank my late father, Petros Cherry, for he always supported and encouraged me while working on Assyriological projects.

I dedicate this book in memory of His Holiness † Mar Yousip Khnanisho Archbishop of Shamisdin and Rustaqa







Seventy-Two Years of Dedication Toward His People, Church and Assyrian Nation Thursday, May 18, 1893 (Mar Ishoo, Turkey) – Sunday, July 3, 1977 (Baghdad, Iraq)

Modifiers Overview

Modifier	Meaning		Sign	Exar	nple
-gunû	extra wedges	DU		DU-gunû	芦
-šeššig	added še-sign	DU		DU-šeššig	
-tenû	slanting	LÚ	→ TIT	LÚ-tenû	
-nutillû	unfinished	SAG	江江	SAG-nutillû	⟨∏
-zidatenû	slanting right	AŠ	—	AŠ-zidatenû	
-kabatenû	slanting left	AŠ	—	AŠ-kabatenû	\
- <digits>°</digits>	rotated	NAGA	芦珊	NAGA-180°	世

Operators Overview

Operator	Meaning	Example	Sign
•	beside	DU.DU	
×	containing	KA×IM	TATE OF THE PARTY
×	containing/group	GÁ× (AN.GAG.A)	TY FIT
&	above	DU DU	
0/0	crossing	(AŠ&AŠ&AŠ)%(AŠ&AŠ&AŠ)	
@	opposing	LUGAL@LUGAL	
3×	repeated	3×AN	₩
4×	repeated	4×LÚ	

			Vov	vels				Order		Exar	nples	
A	E	I	U	a	е	i	u	first	ab	me	lim	šutul
Á	É	Í	Ú	á	é	í	ú	second	áb	mé	lím	šútul
À	È	Ì	Ù	à	è	ì	ù	third	àb	mè	lìm	šùtul
A_4	E_4	I ₄	U_4	a ₄	e ₄	i ₄	U ₄	fourth	ab ₄	me ₄	lim ₄	šutul ₄
A_{x}	E_x	Ix	Ux	a _x	e _x	ix	u _x	to be determined later	ab _x	mex	lim_{x}	šutul _x

Consc	sonants Name		Phonetic Pronunciation in English
Э	C	aleph	glottal stop as 'a' in apostrophe
Ĝ	ĝ	ng	like sing or ring or long or young or coming
Ĥ	ђ	kh	Khartoum or shei <mark>kh</mark>
Ş	Ş	tsade or tzadi or sadhe	as deeper 's' in saw
Ś	Ś	shin or sheen	as 'sh' in shy
Š	Š	shin or sheen	as ' <mark>sh</mark> ' in <mark>sh</mark> y
Ţ	ţ	teth or tet	as deeper 't' in tall

Determinative / Marker	Sign	Description
diš.aš		repetition marker
didli		marker <i>after</i> plurals
d, dingir, an		determinative: before divine names
àm		determinative: after ordinal numbers
ta.àm		determinative: after distributive numbers
kuš		determinative: before leather items, animal hide
iti, itu		determinative: before month names

Determinative / Marker	Sign	Description
zabar	ALTH-	determinative: before copper objects (seldom)
uru		determinative: before cities, places
zabar	刘 为 上	determinative: before copper objects (seldom)
mušen		determinative: after birds
mušen		determinative: after birds
gi	HA	determinative: before (objects made with) grass, reeds
gada		determinative: before linen garments

Determinative / Marker	Sign	Description
sa) TYY	determinative: before woven items and similar
iku		determinative: after surface measures
mul_5		determinative: before stars
elep, má		determinative: before ship designations
urudu		determinative: before metal and metal objects
mul		determinative: before stars, planets; N/LB instead of $u1$ or $te/mú1$
ta.àm		determinative: after distributive numbers

Determinative / Marker	Sign	Description
kám		determinative: after ordinal numbers
uzu		determinative: before parts of the body and pieces of flesh
anše/anšu		determinative: before equids and camels
kaš		determinative: before varieties of beer
šim, šem		determinative: before aromatic and resinous plants and similar
ia4, na4, zá	TT AT	determinative: before stones
geš, giš, ișu		determinative: before trees, wooden objects, implements

Determinative / Marker	Sign	Description
gu ₄ , gud		determinative: before oxen and cows
ú		determinative: before plants and (sometimes) drugs
é		determinative: before buildings and parts of buildings
dug		determinative: before vessels
lú	► TYY	determinative: before professions, clans, nationalities
sar		determinative: after garden plants
nar		determinative: before musicians (very seldom)

Determinative / Marker	Sign	Description
:	4	separation marker
•	**	repetition and separation marker
kur		determinative: before lands and mountains
še		determinative: before grains
múl, te		determinative: before stars
:		separation marker
:		separation marker

— ***** — ***** — ***** — ***** — ***** —

Determinative / Marker	Sign	Description
zabar	ALTH-	determinative: before copper objects (seldom)
ђі.a		marker <i>after</i> plurals and collectives (not persons or deities)
kam		determinative: after numbers, especially ordinals
kam	**	determinative: after numbers, especially ordinals
im, tu ₁₅ , tum ₉ , tumu		determinative: before the 4 directions, winds, clay objects
áb	\	determinative: before stars instead of mul
ul		determinative: before stars

Determinative / Marker	Sign	Description
ù		repetition marker
ki	✓	determinative: after geographical and place names
kimin	✓	repetition marker
diš, I, m, P		determinative: before (mainly masculine) personal names
diš		marker for beginning sentences and paragraphs
diš.aš		repetition marker
me, méš		marker after plurals
***	-*-*-** *	11

Determinative / Marker	Sign	Description
meš		marker after plurals (mainly logograms) and iterative verbs
íd		determinative: before rivers and canals
túg		determinative: before clothing and cloth
zì, zíd		determinative: before types of meal
udu		determinative: before sheep and goats
síg, sík, siki		determinative: before types of wool and woolen items
II, min		marker <i>after</i> duals

Determinative / Marker	Sign	Description
min		repetition marker
àm		determinative: after ordinal numbers
ta.àm		determinative: after distributive numbers
íd		determinative: before rivers and canals
ђі.a		marker after plurals and collectives (not persons or deities)
ђа, ku ₆ , kua	***	determinative: after fish
ninda	Y	determinative: before varieties of baked goods

Determinative / Marker	Sign	Description
f, mí, munus, sal		determinative: before feminine people, animals, professions

References

Bord, Lucien-Jean and Remo Mugnaioni. L'Écriture Cunéiforme: Syllabaire Sumérien, Babylonien et Assyrien. Paris: Librairie Orientaliste Paul Geuthner S.A., ©2002.

Borger, Riekele, and Rykle Borger. *Mesopotamisches Zeichenlexikon*. Vol. 305. Ugarit Verlag Münster, ©2004.

Ellermeier, Friedrich, and Riekele Borger. Sumerisches Glossar: Führer durch die neuere sumerologische Fachliteratur. Die sumerischen Lautwerte: nach dem Alphabet, nach den "Zeichennamen" und nach den Keilschrftzeichen geordnet. Selbstverlag dr. Friedrich Ellermeier, ©1979-©1980.

Labat, René and Florence Malbran-Labat. Manuel D'Épigraphie Akkadienne: Signes, Syllabaire, Idéogrammes. 6th ed. Paris: Librairie Orientaliste Paul Geuthner S.A., ©1988.

Miller, Douglas B. and R. Mark Shipp. An Akkadian Handbook: Paradigms, Helps, Glossary, Logograms, and Sign List. 2nd ed. Winona Lake, Ind.: Eisenbrauns, ©2014.